GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN SIGNALS, ASSOCIATED SIGNS AND HATCHED CROSSWALKS FOR ALL FOUR LEGS OF THE INTERSECTION OF MD 28 AT MD 189. MD 28 IS ASSUMED TO RUN IN A EAST/ WEST DIRECTION IN MONTGOMERY COUNTY.

## INTERSECTION OPERATION

AN ALTERNATE PEDESTRIAN PHASE WILL BE ADDED FOR PHASE 4 AND 8.

## SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

## PROJECT CONTACTS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 513-7318
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER- MAINTENANCE PHONE: (301) 513-7336
MR. AUGIE REBISH, UTILITY ENGINEER - UTILITY PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630
MR. ROBERT SNYDER, ASSISTANT CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410)787-7631
MR. ED RODENHIZER, CHIEF OF SIGNAL SHOP PHONE: (410)787-7650
MR. BOB GONZALES, MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER PHONE: (240)777-8761

## **EQUIPMENT LIST**

| A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.  ITEM NO. DESCRIPTION  9000 FLAT SHEET ALUMINUM SIGNS CONSISTING OF:  PEDESTRIAN EDUCATION SIGN R10-4(1) MOD  GUIDE SHIELD ASSEMBLY (30"X51")  GUIDE SHIELD ASSEMBLY (48"X75") | JNITS<br>SF<br>EA<br>EA<br>EA | QUANTITY<br>99.25<br>4<br>2<br>3 |
|---|-------------------------------|----------------------------------|
|---|-------------------------------|----------------------------------|

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

| ITE              | M NO.  | DESCRIPTION   | UNITS    | QUANTITY |          |
|------------------|--|---|----------|----------|----------|
| 100              | )1   | MAINTENANCE OF TRAFFIC  | EΑ       | 1        |          |
| 500              | 14.  | 12 IN WHITE HEAT APPLIED PERFORMED THERMORE PAVEMENT MARKING  | LF       | 1150     |          |
| 500              | ),8  | REMOVE EXISTING PAVEMENT MARKING - ANT WIDTH  | LF       | 250      |          |
| 600              | ý1   | F&I DEPRESSED CURB AND GUTTER   | LF       | 20       |          |
| 801              | 0  | FURNISH AND INSTALL PEDESTRIAN SIGNAL HEAD SECTION  | EΑ       | 16       |          |
| 803              | 2  | FURNISH AND INSTALL PUSHBUTTON AND SIGN   |          |          |          |
|                  |  | R10-4(1), 9"X12" - PUSHBUTTON TO CROSS GREAT FALLS ROAD.  | EΑ       | 4        |          |
| 804              | 8  | REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER EA PER ASSIGNMENT   | EΑ       | 1        |          |
| 1 805            | and the second s | FURNISH AND INSTALL 4 INCH PVC SCHEDULE 80 CONDUIT - TRENCHED   | LF       | 150      |          |
| 807              |  | INSTALL GROUND MOUNTED SIGN   | SF       | 4        |          |
| 10 808<br>10 808 |  | FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (NO 14 AWG) FURNISH AND INSTALL ELECTRICAL CABLE-5 CONDUCTOR (NO 14 AWG) | LF<br>LF |          | 40<br>50 |
| 1 808            |  | FURNISH AND INSTALL ELECTRICAL CABLE-7 CONDUCTOR (NO 14 AWG)  | LF       | 925      |          |
| NEG              |  | REMOVE AND DISPOSE OF EXISTING ADA RAMP   | ĹF       | 20       |          |
| Ⅲ 806            |  | FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE  | LF       | 570      |          |
| <u> </u>         |  | FURNISH AND INSTALL 4 INCH PVC SCHEDULE 80 CONDUIT - SLOTTED  | ĹF       | 420      |          |
| T NEG            |  | REMOVE AND REPLACE EXISTING BRICK SIDEWALK  | SF       | 112      |          |
| ME.G             |  | REMOVE AND DISPOSE OF EXISTING SIGNAL WIRING  | LS       | 1        |          |
| ☐ NEG            |  | REPLACE BRICK PAVERS  | SF       | 16       |          |

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

CATEGORY NO.

DESCRIPTION

NONE

UNITS QUANTITY

<u>KEY</u> WIRING DIAGRAM CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) \_\_\_J,K,T  $X, X, E, X \times X$ 5 CONDUCTOR ELECTRICAL CABLE  $\mathbb{X}, \mathbb{X}, \mathbb{E}, \mathbb{X} \times \times$ (NO. 14 AWG) A,B,C,D,E,F,G,H, ---J.K.L.M.N.O —A,E,D,H, 2 CONDUCTOR ELECTRICAL CABLE J,K,N,T G (NO. 12 AWG) A.B.C.D.E.F. G.H.J.K.L.M. N, O, T NO. 6 STRANDED BARE COPPER GROUND WIRE — C,G,L,M,T  $\otimes$ ,  $\otimes$   $\times$  $\times$ C.G.L.M.T

PHASE CHART

| PED CLEARANCE G G     | G | G | G | G | R | R | R | R | FL/DW | FL⁄DW | FL/DW | FL⁄DW | DW | DW | DW | DW |              |
|-----------------------|---|---|---|---|---|---|---|---|-------|-------|-------|-------|----|----|----|----|--------------|
| 2 AND 6 CHANGE Y Y    | Y | Y | Y | Y | R | R | R | R | DW    | DW    | DW    | DW    | DW | DW | DW | DW | •            |
| PHASE 4 AND 8 R R     | R | R | R | R | G | G | G | G | DW    | DW    | DW    | DW    | DW | DW | DW | DW | 14           |
| 4 AND 8 CHANGE R R    | R | R | R | R | Υ | Υ | Υ | Υ | DW    | DW    | DW    | DW    | DW | DW | DW | DW | <del> </del> |
| PHASE 4 AND 8 ALT R R | R | R | R | R | G | G | G | G | DW    | DW    | DW    | DW    | WK | WK | wĸ | WK | <u> </u>     |
| PED CLEARANCE R R     |   |   |   |   |   |   |   |   |       |       |       |       |    |    |    | !  | <b>! </b>    |

☐ RED LINE REVISION 3/03

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

MD 28 (W. MONTGOMERY AVENUE) AND MD 189 (GREAT FALLS ROAD)



|             | 1416               | , 105 (0                 | IIILA IIALLO I            | (0/10/               |          |
|-------------|--------------------|--------------------------|---------------------------|----------------------|----------|
| AWN BY: _   | JW<br>JAllen Jr.   | F.A.P. NO.<br>S.H.A. NO. | <br>M0619A5J              | TS NO.<br>3160       | SHEET NO |
| ALE:<br>TF: | NTS<br>Sept., 2002 | COUNTY:                  | MONTGOMERY<br>15002821.73 | T.I.M.S. NO.<br>F276 | 2 OF     |